

# Algebra 1 Quick Quiz 12012022

## Question 1.

The numbers in this table follow a linear pattern.

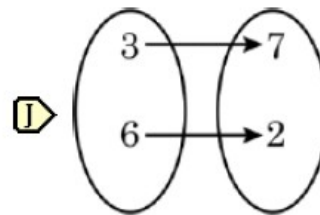
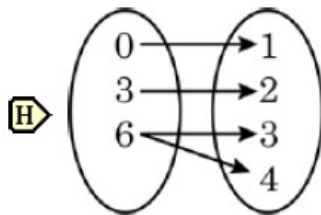
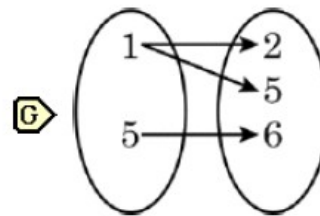
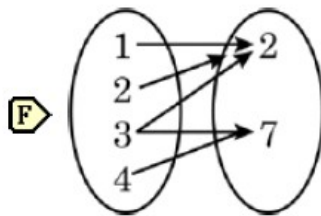
$p$	$w$
-3	14
-2	11
-1	?
0	5
1	2
2	-1

What is the missing value?

- F 7
- G 8
- H 9
- I 10

## Question 2

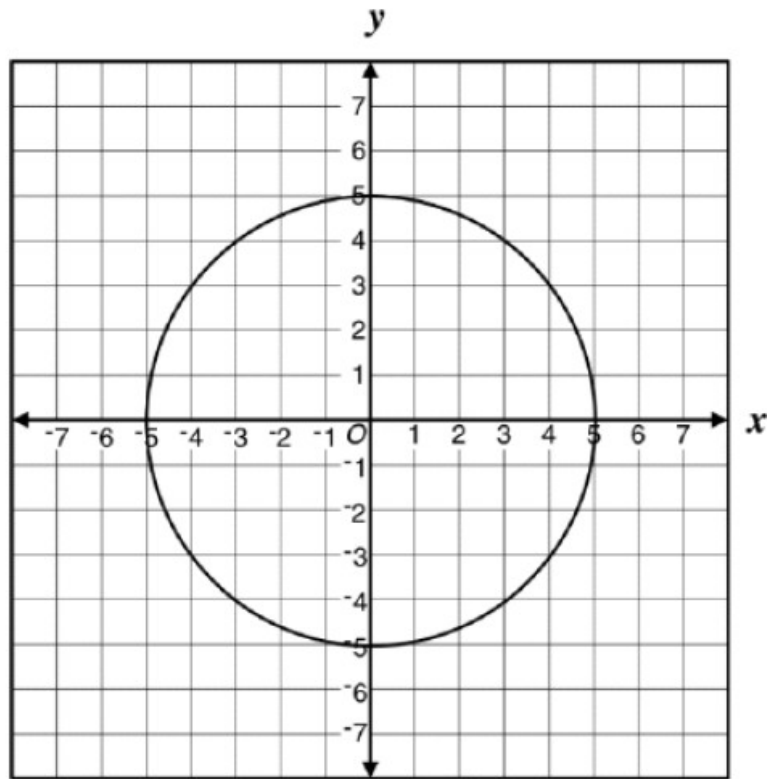
Which of these data sets represents a function?



No answer selected

Question 3.

Loki said the following graph does **not** represent a function of  $x$ .

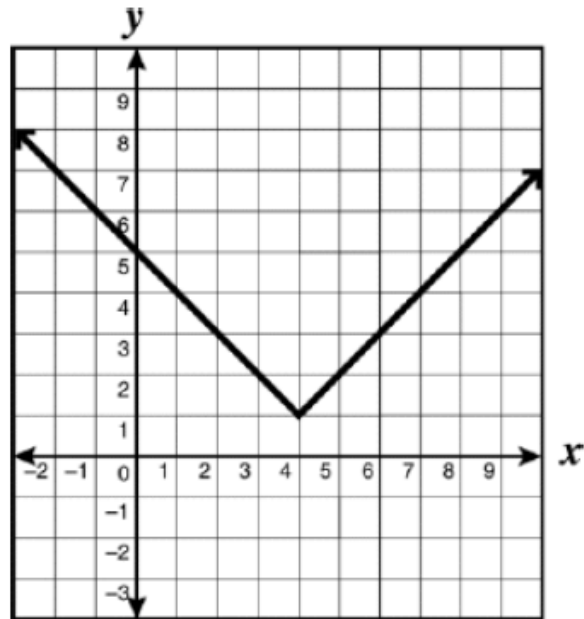


Which pair of points could Loki use to prove that her statement is correct?

- F  $(-3, 4)$  and  $(-3, -4)$
- G  $(-4, 3)$  and  $(4, 3)$
- H  $(-3, 4)$  and  $(4, -3)$
- J  $(-5, 0)$  and  $(5, 0)$

Question 4.

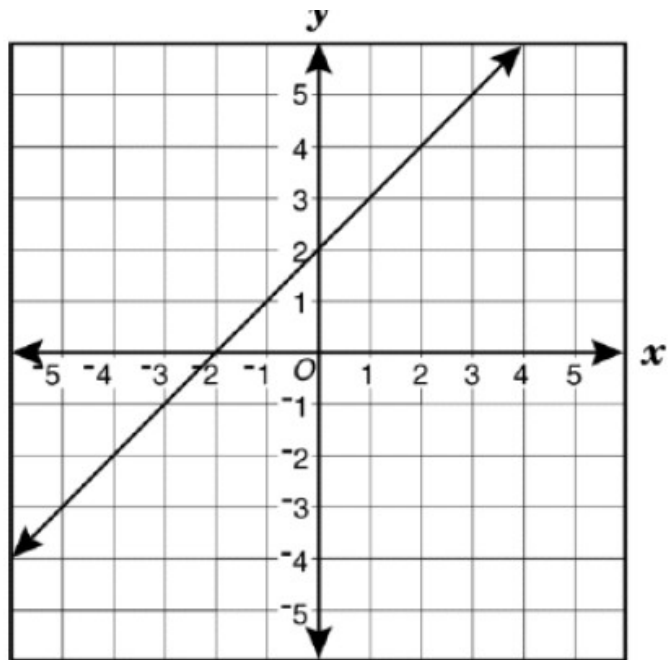
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What is the apparent range of the function of  $x$  shown?

- F The set of all real numbers greater than or equal to 4
- G The set of all real numbers greater than or equal to 1
- H The set of all real numbers less than or equal to 1
- J The set of all real numbers

Question 5.



Which equation best describes this graph?

F  $y = -x$

G  $y = 2x + 2$

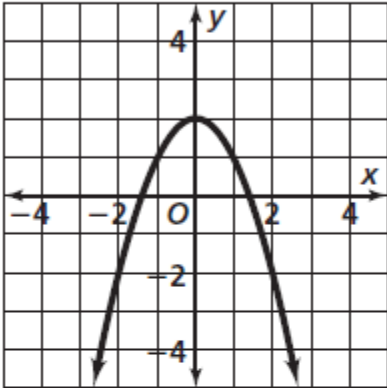
H  $y = x - 2$

J  $y = x + 2$

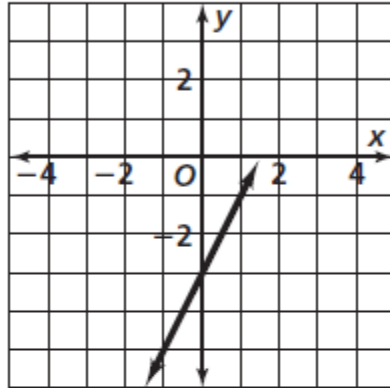
Question 6.

Which is not the graph of a function?

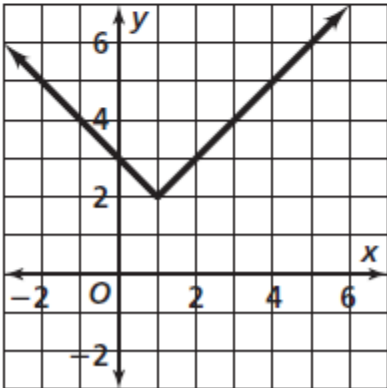
**A**



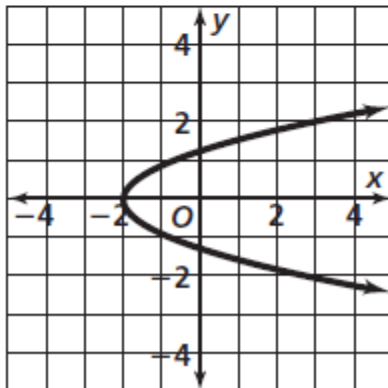
**C**



**B**



**D**



Question 7.

Which table of values represents a function?

A

$x$	-2	0	1	2
$y$	0	-2	-3	-4

B

$x$	0	0	0	0
$y$	0	1	2	3

C

$x$	3	3	2	0
$y$	1	5	5	-3

D

$x$	6	4	6	-1
$y$	0	3	2	-2

Question 8.

Choose the description of a graph of a function.

- A The graph of a function is a drawing that represents its solution set.
- B The graph of a function is a drawing that represents only its domain.
- C The graph of a function is a drawing that represents only its range.
- D The graph of a function is a drawing that represents only its midpoint.



Question 10.

Find the domain  $d$  and range  $r$  of the relation.

$x$	$y$
-2	3
6	1
-1	3
3	4
-2	1

- A**  $d = \{3, 1, 4\}; r = \{-2, 6, -1, 3\}$   
**B**  $d = \{1, -5, 2, 1, -1\}; r = \{1, 3, 4\}$   
**C**  $d = \{-2, -1, 3, 6\}; r = \{1, 3, 4\}$   
**D**  $d = \{-1, 3, 6\}; r = \{1, 4\}$

Bonus

Question 11.

If  $f(x) = \frac{3x+4}{2}$ , then  $f(8)$  is

(1) 21

(3) 14

(2) 16

(4) 4